

Michael R.Lutz  
Praxair Inc.  
Foot of Standard Avenue  
Whiting, Indiana 46394

Dear Michael R.Lutz:

Re: A089-12018-00435  
**Amendment to CP 089-10413**  
Plt ID 089-00435

On March 14, 2000, the Office of Air Management (OAM) received a request regarding amendments to Construction Permit issued to your facility on June 02, 1999. These amendments are mentioned in the following paragraphs. After each amendment the original condition as stated in the permit and amended condition or the impact of amendment is mentioned:

1. Operation condition 8 (a) page 7  
Change the "134.9 million standard cubic feet per year" to "5.61 million standard cubic feet per year".

The above condition read as:

*That carbon monoxide (CO) production rate from process vent stacks of Reformers #1, 2, and 3 (S/V 006, 010, and 012) shall be limited to 134.9 million standard cubic feet per year (MMscf/yr), based on a 12 month rolling total. This is equivalent to the carbon monoxide emissions from the process vent stacks of Reformers #1, 2, and 3 (S/V 006, 010, and 012) to 201.9 tons per year. Instrumentation that continuously computes the vented CO, as a function of the duration and amount of vent valve opening, shall be permanently installed on Reformers #1, 2, and 3 and shall be tested.*

The amended condition reads as:

**That carbon monoxide (CO) production rate from process vent stacks of Reformers #1, 2, and 3 (S/V 006, 010, and 012) shall be limited to 5.61 million standard cubic feet per year (MMscf/yr), based on a 12 month rolling total. This is equivalent to the carbon monoxide emissions from the process vent stacks of Reformers #1, 2, and 3 (S/V 006, 010, and 012) to 201.9 tons per year. Instrumentation that continuously computes the vented CO, as a function of the duration and amount of vent valve opening, shall be permanently installed on Reformers #1, 2, and 3 and shall be tested.**

2. Operation condition 8 (b) last paragraph page 7  
Change the "248 tons per year" to "249 tons per year".

The above condition read as:

*The source-wide potential to emit of CO after this modification, including the potential to emit of CO for the existing facility of 1.62 tons per year, shall be limited to 248 tons per year. Therefore, the Prevention of Significant Deterioration (PSD) rules, 326 IAC 2-2 and 40 CFR 52.21, will not apply.*

The amended condition reads as:

**The source-wide potential to emit of CO after this modification, including the potential to emit of CO for the existing facility of 1.62 tons per year, shall be limited to 249 tons per year. Therefore, the Prevention of Significant Deterioration (PSD) rules, 326 IAC 2-2 and 40 CFR 52.21, will not apply.**

3. Operation condition 9 (a) page 7

Change the first sentence to read "That the fuel usage from Reformers #1, 2, 3 and Boiler #3 shall be limited to 1972 million equivalent standard cubic feet per 12 month period rolled on a monthly basis, calculated as follows:"

The above condition read as:

*That the fuel usage from Reformers #1, 2, 3, and Boiler #3 shall be limited to 1,972 pounds per 12-month period, rolled on a monthly basis, as follows:*

The amended condition reads as:

**That the fuel usage from Reformers #1, 2, 3, and Boiler #3 shall be limited to 1,972 million equivalent standard cubic feet per 12-month period, rolled on a monthly basis, calculated as follows:**

4. Quarterly Report Table for Fuel Usage, page 11

Change the table to reflect the equation  $AA+0.168BB+0.772N$  in accordance with operation condition 9 (a).

**The Quarterly Report form on page 11 of the permit is amended and the revised form is attached.**

5. Operation condition 16 page 7

Corrections have been requested to this operating condition.

**The operating condition 16 regarding certification of Natural Gas Usage for Boiler #3 on quarterly basis was included erroneously and is hereby withdrawn from the permit. Hence Operation Condition 16 on page 7 and form for Natural Gas Fired Boiler Certification stand deleted from the original permit.**

The deleted condition is as under:

~~———— Natural Gas Fired Boiler Certification~~

~~16. ——— That a certification of natural gas usage for Boiler #3 shall be submitted quarterly, to comply with operation permit condition no. 12, to:~~

~~———— Indiana Department of Environmental Management  
———— Compliance Data Section, Office of Air Management  
———— 100 North Senate Avenue, P.O. Box 6015  
———— Indianapolis, Indiana 46206-6015~~

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment with the original permit.

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

GS

Enclosure: Amended Quarterly Report Form

cc: File - Lake County  
Lake County Health Department  
Air Compliance – Ramesh Tejuja  
Compliance Data – Karen Nowak  
Permit Tracking – Janet Mobley  
Technical Support and Modeling – Nancy Landu

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR MANAGEMENT  
COMPLIANCE DATA SECTION  
Quarterly Report**

Source Name: Praxair, Inc.  
Source Address: Foot of Standard Avenue, Whiting, Indiana 46394  
Permit No.: CP 089-10413-00435  
Facility: Boiler #3, Reformer #1, Reformer #2, and Reformer #3  
Parameter: Nitrogen Oxides (NOx)  
Limit: Annual fuel usage for Boiler #3, Reformer #1, Reformer #2, and Reformer #3 based on the following formula:

**$AA + 0.168 BB + 0.772 NN \# 1,972$**

- where:
- (1) AA is the annual fuel consumption (tail gas plus natural gas) per year for Reformers #1 and #2 in million cubic feet (MMCF) based on a 12 month rolling total;
  - (2) BB is the annual fuel consumption (tail gas plus natural gas) per year for Reformer #3 in million cubic feet (MMCF) based on a 12 month rolling total; and
  - (3) NN is the annual natural gas fuel consumption per year for Boiler #3, based on a 12 month rolling total.

**Month: \_\_\_\_\_ Year: \_\_\_\_\_**

Month	Total Fuel Usage (MMCF) This Month				AA+0.168BB+0.772NN for:	
	AA	BB	NN	AA+0.168BB+0.772NN	Previous 11 Months (MMCF)	Total 12 Months* (MMCF)
Month 1						
Month 2						
Month 3						

\*Limited to 1972 MMCF

9 No deviation occurred in this month.

9 Deviation(s) occurred in this month.  
Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Title/Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_